

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

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# PCT

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) 09 JULY 2004 (09.07.2004)

Applicant's or agent's file reference  
SM2004816

**FOR FURTHER ACTION**

See paragraph 2 below

International application No.  
**PCT/KR2004/000875**

International filing date (day/month/year)  
**16 APRIL 2004 (16.04.2004)**

Priority date(day/month/year)  
09 DECEMBER 2003 (09.12.2003)

International Patent Classification (IPC) or both national classification and IPC

**IPC7 D06F 39/08**

Applicant

**SAMSUNG ELECTRONICS CO., LTD. et al**

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☒ Box No. VIII Certain observations on the international application



## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  
For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR



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WRITTEN OPINION OF THE  
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International application No.

PCT/KR2004/000875

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

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PCT/KR2004/000875

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1-8	YES
	Claims	None	NO
Inventive step (IS)	Claims	2-5, 7, 8	YES
	Claims	1, 6	NO
Industrial applicability (IA)	Claims	1-8	YES
	Claims	None	NO

**2. Citations and explanations :**

Reference is made to the following documents from the International Search Report.

D1 : JP 2001-276484

D2 : JP 3-215296

D3 : US 5,579,656

**Novelty(N)**

Claims 1-8 conform to the regulations in Article 33 (2) of PCT; therefore they are considered to be novel.

**Inventive Steps(IS)**

Claims 1 and 6 do not conform to the regulations in Article 33 (3) of PCT; therefore, they do not possess an inventive step. The reason is as follows.

D1 discloses a silver solution supply device and D2 and/or D3 disclose(s) a current speed reduction means. Since the effect obtained by combining the silver solution supply device disclosed in D1 and the current speed reduction means disclosed in D2 and/or D3 lies within the general knowledge of the art in the field, the skilled person in the technical field of the present invention would arrive at the subject matters of Claims 1 and 6 without the exercise of inventive skill by simply combining the silver solution supply device disclosed in D1 and a current speed reduction means disclosed in D2 and/or D3. Consequently, the subject matters of Claims 1 and 6 do not possess an inventive step.

**Industrial Applicability(IA)**

Claims 1-8 conform to the regulations in Article 33 (4) of PCT; therefore they possess industrial applicability.

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**Box No. VIII Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claims 3, 8 are written as a functional expression.